

Patent Abstracts of Japan

PUBLICATION NUMBER : 11246982
PUBLICATION DATE : 14-09-99

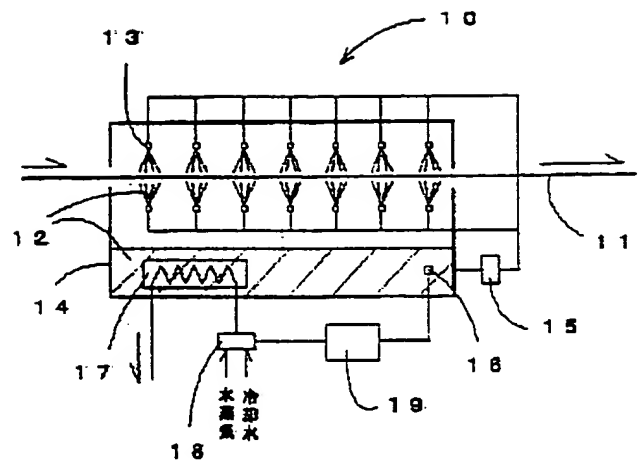
APPLICATION DATE : 02-03-98
APPLICATION NUMBER : 10067838

APPLICANT : NIPPON STEEL CORP.;

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INT.CL. : C23G 3/02 C23G 1/19

TITLE : ALKALI SPRAY WASHING METHOD
FOR COLD ROLLED STEEL SHEET
AND APPARATUS THEREFOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide an alkali spray washing method for a cold rolled steel sheet capable of maintaining good washing efficiency without generating cavitation in alkali washing and an apparatus therefor.

SOLUTION: This alkali spray washing method for the cold rolled steel sheet 11 consists in spraying an alkali washing liquid 12 via spray nozzles 13 to the continuously supplied cold rolled steel sheet 11, washing away the oil-component sticking to the cold rolled steel sheet 11 and circulating and supplying the alkali washing liquid 12 recovered into a washing liquid tank 14 arranged below the spray nozzles 13 to the spray nozzles 13. In such a case, the liquid temp. of the alkali washing liquid 12 in the washing liquid tank 14 is measured and the supply flow rate of the steam and cooling water supplied to a heat exchanger 17 disposed in the washing liquid tank 14 is regulated to maintain the liquid temp. at a high temp. and within the temp. range where the cavitation does not occur within a pump 15 or piping.

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